

BRIL', M.T.; YERSHOV, V.A.; YEVDOKIMOV, N.V.; DELARYU, V.V.

Problem of subarachnoid hemorrhages in syphilis. Vest.ven. i derm.
no.3:27-31 My-Je '56. (MIRA 9:9)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof. M.T.
Bril') i kafedry nervnykh bolezney (zav. - prof. V.A.Yershov) Stalin-
gradskogo meditsinskogo instituta (dir. - prof. V.S.Yurov)

(SYPHILIS, complications,
subarachnoid hemorrh. (Rus))

(CEREBRAL HEMORRHAGE,
subarachnoid, in syphilis (Rus))

BRIL', M.T.

"Leprosy, functional and histological skin examinations in lepromatous leprosy" ed. I.I.Pototskii. Reviewed by M.T.Bril'. Vest.derm.
i ven. 32 no.1:81-82 Ja-F '58. (MIRA 11:4)
(LEPROSY) (POTOTSKII, I.I.)

S/108/61/000/001/005/005
B021/B054

AUTHOR: Bril', M. S.

TITLE: Control of introduction of standards and technical requirements

PERIODICAL: Standartizatsiya, no. 1, 1961, 39-41

TEXT: The Komitet standartov, mer i izmeritel'nykh priborov (Committee on Standards, Measures, and Measuring Instruments) planned in 1960 a control of the introduction and observance of State standards and technical requirements in a number of enterprises by the basic organization together with State control laboratories and institutes of the Committee. This was to improve the technical level of control. In the Ukrainskaya SSR (Ukrainian SSR), a joint control was made in the current year in 16 industrial plants including 5 plants of refractories of the Stalinskaya oblast' (Stalino oblast') together with the Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov (Ukrainian Scientific Research Institute of Refractory Materials). In the Slavyanskiy armaturno-izolyatornyy zavod (Slavyansk Plant of Fittings and Insulators), the control was made jointly ✓

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Control of introduction of ...

with the Gosudarstvennyy issledovatel'skiy elektrokeramicheskiy institut (State Research Institute of Electroceramics), and in the "Luganskugol'" and "Donbassantratsit" Combines jointly with the Ukrainskiy nauchno-issledovatel'skiy institut ugleobogashcheniya (Ukrainian Scientific Research Institute of Coal Dressing). The high quality of control at the Luganskiy zavod shchelochnykh akkumulyatorov (Luganskoye Plant of Alkali Accumulators) by representatives of the Nauchno-issledovatel'skiy akkumulyaturnyy institut (Scientific Research Institute of Accumulators), Chief Engineers Veshevaya and Levits, and Engineer Donina, is pointed out. This control was made jointly with officials of the Luganskaya gosudarstvennaya kontrol'naya laboratoriya po izmeritel'noy tekhnike (Luganskoye State Control Laboratory of Measuring Technique). Further, the author points to outstanding shortcomings in the working organization, and mentions, in this connection, the Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut mekhanicheskoy obrabotki poleznykh iskopayemykh (All-Union Design and Planning Scientific Research Institute for the Mechanical Processing of Minerals), the Stalino State Control Laboratory, as well as the Glav NII pri Ekonomicheskem sovete SSSR (Scientific Main Research Institute at the Economic Council of the USSR) and the Novo-Kramatorskiy

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mashinostroitel'nyy zavod (Novo-Kramatorsk Machine-building Works). The representative of the Donetskiy nauchno-issledovatel'skiy ugol'nyy institut (Donets Scientific Research Institute of Coal) did not come to the L'vovskaya oblast' (L'vov oblast') for the joint control of the coal quality in the L'vov-Volyn' area. A co-worker of the Vsesoyuznyy nauchno-issledovatel'skiy institut stroitel'nogo i dorozhnogo mashinostroyeniya (All-Union Scientific Research Institute of Construction and Road Machinery) refused to check the technological procedures of the Slavyanskiy zavod stroitel'nykh mashin (Slavyansk Plant of Construction Machines), making reference to instructions obtained. The author also mentions shortcomings at the Nauchno-issledovatel'skiy institut bumagodelatel'nogo mashinostroyeniya (Scientific Research Institute of Papermaking Machinery), the zavod im. Artyoma (Works imeni Artem), the Tsentral'noye byuro kuznechno-pressovogo mashinostroyeniya (Central Bureau of Forging Press Machinery), and the Vsesoyuznyy nauchno-issledovatel'skiy institut abrazivov i shlifovaniya (All-Union Scientific Research Institute of Abrasives and Grinding). Finally, he points out that for the improvement of joint work it is necessary: 1) to prepare an almanac of closing dates for the joint control of enterprises in 1961, 2) to work out systematic instructions

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of control for the basic organizations, 3) to work out control programs for the basic organizations which have to be coordinated with the Committee on Standards, Measures, and Measuring Instruments, 4) to establish fixed dates for the official trips of representatives of basic organizations to permit an extensive control of production and technical aid to enterprises and organizations, 5) to oblige the basic organizations to observe the dates fixed for official trips, and not to allow any impediment of the joint control plan, 6) to intensify the cooperation of branch basic organizations with the departments of standardization and normalization of enterprises to grant the latter a most extensive technical aid for the development and introduction of State standards. There is 1 Soviet-bloc reference.

Card 4/4

BRIL', M.T., prof.; GOL'DSHTEYN, L.M.

Various methods for the prevention of pyoderma at the Stalingrad
tractor factory. Vest.derm.i ven. 33 no.4:18-22 Jl-Ag '59.
(MIRA 12:11)

1. Iz kliniki kozhnykh i venericheskikh bolezney Stalingradskogo
meditsinskogo instituta (zav. kafedroy - prof. M.T. Bril') i mediko-
sanitarnoy chasti (nach. N.I. Zakharov, zav. dermatologicheskim kabi-
netom L.M. Gol'dshteyn) Stalingradskogo traktornogo zavoda.
(PYODERMA, prevention & control)

BRIL', Mark Timofeyevich

[Eczema in children; etiology, pathogenesis, clinical aspects, prevention, and treatment] Detskaia ekzema; etiologija, patogeneza, klinika, profilaktika i lechenie. Moskva, Medgiz, 1961. 138 p.

(MIRA 14:11)

(ECZEMA)

BRIL¹, M.T., prof.

Mycosis fungoides in the light of the study of reticuloses of
the skin. Vest.derm. i ven. no.9:14-20'62. (MIRA 16:7)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof.
M.T.Bril¹) Volgogradskogo meditsinskogo instituta.
(MYCOSIS) (RETICULOENDOTHELIAL SYSTEM—DISEASES)
(SKIN—TUMORS)

BRIL', M.T., prof.

Subcorneal pustular dermatitis of Sneddon and Wilkinson in a
16-year-old boy. Vest. derm. i ven. 37 no.9:76-78 S '63.
(ML-RA 17:6)

1. Kafedra kozhnykh i venericheskikh bolezney (zav. - prof.
M.T. Bril') Vologogradskogo meditsinskogo instituta (rektor -
prof. V.S. Yurov).

110. Investigation of the quality of rectification of electronic converters in a model network. M. M. AKHIEZ, M. V. BRIL', V. M. RUDNEY AND KH. P. KHIRVONEN. *Elektrithestvo*, 1954, No. 7, 52-6. In Russian.

An investigation of the quality of rectification by type 1 50/3000 ignitrons in which high-speed oscillograms of overbacks were obtained showed that the overbacks occur in the beginning of the rise of the inverse voltage 3-10 sec after current cut-off, at instantaneous values 1.2-9.1 kV of the inverse voltage. This indicates a gradual rise of the dielectric strength in the arc gap to a maximum of 7.5 kV, which is proved by the possibility of raising the inverse voltage slowly to this value without backfiring. The investigation confirmed the possibility of a considerable increase of the output of the ignitrons by reducing the rate of rise of the inverse voltage, especially when working with large regulation angles. By reducing the rate of rise by a factor 37, the rectified current, and thus the output, may be increased by factors 2-3 at a nominal inverse voltage 5 kV and a regulation $\alpha + \gamma = 70\text{--}80^\circ$. Use of variable reactors in the anode circuit enables the output still further increased. B. F. KRAUS

ISAGULYANTS, V.I.; BRIL', N.Ye.

Chemical refining of natural gasoline from shale. Trudy MINKHIGP
no.28:157-160 '60. (MIRA 14 4)
(Gasoline) (Oil shales)

BRIL', O. D.; VENIKOV, N. I.; KURASHOV, A. A.; OGLOBLIN, A. A.; PANKRATOV, V. M.;
RUDAKOV, B. P.

5

"Search for Light Neutron-Nuclei (i.e. dineutron, tetraneutron, n^6)."

report submitted for All-Union Conf on Nuclear Spectroscopy, Tbilisi,
14-22 Feb 64.

Inst Atomic Energy, AS USSR

BRIL', P.Ya., kand.ekonomicheskikh nauk, dotsent

Tasks in the further perfecting of control in power engineering.
Trudy LIEI no.29:25-31 '59. (MIRA 13:5)
(Power engineering)

BRIL', P.Ya., dotsent, kand.ekonomiceskikh nauk; KUZNETSOV, Yu.A., inzh.

Comparing the efficiency of electric power transmission and
natural gas transportation in connection with the location of
condensation electric power plants. Trudy LIEI no.29:111-120
'59. (MIRA 13:5)

(Electric power plants)
(Electric power distribution)
(Gas, Natural--Transportation)

BOLOTOV, V.V., doktor tekhnicheskikh nauk; MELENT'YEV, L.A., doktor ekonomicheskikh nauk; BRIL, R.F., kandidat tekhnicheskikh nauk; LEVENTAL', G.B., kandidat tekhnicheskikh nauk; MICHURINA, K.I., kandidat tekhnicheskikh nauk [reviewers]; DUNAEVSKIY, N.I. [author].

"Technical and economic principles of heating systems." N.I. Dunaevskii. Reviewed by V.V.Bolotov, L.A.Melent'ev, R.F.Bril', G.B.Levental', K.I.Michurina. Elek. sta. 24 no.12:56-57 D '53. (MIRA 6:12)

(Dunaevskii, N.I.) (Heating from central stations)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306920009-2

BRIL', R.Ya.

Basic assets of electric power plants and their reconditioning
problems. Trudy LIBI no.5:20-40 '50. (MLRA 9:8)
(Electric power plants)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306920009-2"

BRIL', R.Ya., kandidat ekonomicheskikh nauk, dotsent.

Economic comparison of the transmission of electric energy and the transportation of fuel by rail with respect to the distribution of condensing power plants. Trudy LIPI no.7:35-44 '54. (MIRA 9:9)
(Electric power distribution) (Fuel--Transportation)

BRILL' P.Y., dotsent, kandidat ekonomicheskikh nauk; BULANOV, N.G., kandidat ekonomicheskikh nauk.

Effect of comparative economy of transmission of electric power,
heat and fuel transport on the location of heat and power plants
(TETS). Trudy LIEI no.12:120-127 1956. (MLRA 10:6)
(Heating from central stations) (Electric power plants)

BRIL', R.YA

105-9-23/32

AUTHOR: Bril', R.Ya., Candidate of Economic Sciences, Dotsent
TITLE: On the Development of Energetics in the Chinese People's Republic
(Razvitiye energetiki Kitayskoy Narodnoy Respubliky)
PERIODICAL: Elektrichestvo, 1957, Nr 9, pp 73-75 (USSR)

ABSTRACT: For 1953 - 1967 a 15 years plan for the electrification of the country has been worked out. By 1962 the production of electric energy shall amount to 40 billion kW hours. In 1952 the number of the staff of the electricity plants amounted to 33 persons/MW. By 1957 there will be only 26. Up to 1952 76% of the electricity plants operated with heat power had vapor pressure of less than 25 "absolute pressure in atmosphere" and only 0,9% had high pressure. In 1956 only 5% of the electricity plants had high pressure. In 1957 the power of the plants with 25 - 35 "absolute pressure in atmosphere" will amount to about 60% of the total power. Plans have been made to electrify 3000 km of railway lines in the course of the coming 10 to 12 years. The construction of water power plants is also considerably promoted. Water reserves are estimated to amount to 540 GW. From these about 60%, i.e. 300 GW can be practically utilized. In the course of the coming five years the Feynman water power plant will be reconstructed with 560 MW. It will be fully automatic. Two power plants will be constructed in the course of the coming two years for the purpose of making the Huangho navigable: San'min' with 1,1 GW and

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On the Development of Energetics in the Chinese People's Republic

Lyutszyas with 1 GW. The dam of the former, the construction of which is already under way, will be 90 m high. The San'min' power plant will be completed by 1962. In 1957 the construction of the Sinan'tszyan power plant with 580 MW was begun on the upper course of the Tyan Tan Tszyan River. It will be completed by 1961. Attempts are made to connect the individual regional electricity plants and to establish wide systems. The Shanghai works are building turbines for 12 MW according to Soviet and Czech projects. The Charbin Works produce inland high power turbines. Works for the production of 12, 25 and 50 MW generators are being built. The Shanghai works have already supplied the first 12 MW turbo-generator according to Soviet projects.

ASSOCIATION: Leningrad Economic Institute for Engineers (Leningradskiy
AVAILABLE: inzhenerno-ekonomicheskiy institut)
Library of Congress

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BRIL' R.Ya.

94-2-6/27

AUTHOR: None given
TITLE: Electric power tariffs. (O tarifaldi na elektricheskuyu energiyu)
PERIODICAL: Promyshlennaya Energetika, 1958, Vol.13. No.2. pp.17-18 (USSR)
ABSTRACT: An editorial note states that "Promyshlennaya Energetika" 1956, No.9.
and 1957, No.1. contained articles on electric power tariffs.
Contributions to discussion on these articles are summarised below:-
Bril' R.Ya. (Cand.Tech.Sci.) Lenigrad Engineering-Economics Institute.

This author supports a two-part tariff and disagrees with the
proposals of A.N. Grekov and A.S. Fayershteyn to base the flat-rate
on the consumer's contribution to the system peak. Large consumers
should not receive electricity too cheaply. It is time to review
tariffs for electric heating.

Dzeventschiy, A.Ya. (Cand.Tech.Sci.) (Energosbyt Uzbekenergo)

This author states that a two-part tariff does little to encourage
off-peak loads and thinks that it is disproportionately complicated.

Minevich, A.B. (Engineer). (Chief Power Engineer of the Stalinsk
Engineering Works).

The author considers that the two-part tariff retards the economical
use of electric power in industry. A flat-rate tariff is preferable.

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Electric Power Tariffs.

94-2-6/27

Frayman, Ya.I. (Engineer). (Tashkent Paper Works)

A two-part tariff often has a bad effect on the loading of industrial transformers and on the provision of spare transformer capacity.

AVAILABLE: Library of Congress.

1. Electric power production-USSR

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"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306920009-2

BRIL'. R.Ya., kand. ekon. nauk, dots.

Development of power engineering in the Chinese People's Republic.
Trudy LIMI no.19:218-231 '57. (MIRA 11:6)
(China--Power engineering)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306920009-2"

BRIL', R.Ya., kand. ekonom. nauk

Increase the reliability of economic indices on extracting
and transporting fuels. Teploenergetika 10 no.7:93-94 Jl '63.
(MIRA 16:7)

(Fuel)

GOSPITAL'NIK, Genrietta L'vovna; BRIL', R.Ya., nauchn. red.;
MOLOKOVA, Ye., red.

[Technical and economic calculations in power engineering]
Tekhniko-ekonomicheskie raschety v energetike; pis'mennye
lektsii. Leningrad, Severo-Zapadnyi zaochnyi politekhnicheskii in-t, 1963. 70 p.
(MIRA 17:1)

BRIL', R.Ya.

Economics of power engineering and problems confronting the Scientific
and Technical Society of the power industry. Elek. sta. 34 no.11:6-10
(MIRA 17:2)
N '63.

1. Predsedatel' ekonomicheskoy sektsii TSentral'nogo pravleniya nauchno-
tekhnicheskogo obshchestva.

KOSTENKO, M.P.; MELENT'YEV, L.A.; KAMENSKIY, M.D.; ZALESSKIY, A.M.; BRIL',
R.Ya.; GORSHKOV, A.S.; SAVASHINSKAYA, V.I.; DOVGAL', S.A.; KOVALEV,
N.N.; BOLOTOV, V.V.; USOV, S.V.; GERASIMOV, V.N.; SIVAKOV, Ye.R.;
AVRUKH, A.Ya.; STARIKOV, V.G.; MIKHALEVICH, A.I.

I.V. Gofman; obituary. Elek. sta. 34 no.6:95 Je '63. (MIRA 16:9)
(Gofman, Igor' Valentinovich, 1903-1963)

AYZENBERG, B.L.; BOLOTOV, V.V.; BRIL', R.Ya.; GERASIMOV, V.N.; GREKOV, V.I.;
DOVETOV, M.Sh.; KAMENSKIY, M.D.; KLEBANOV, L.D.; KONSTANTINOV, B.A.;
KUZ'MIN, V.G.; LYUBAVSKIY, V.I.; MELEN'TYEV, L.A.; MIKHALEV, N.N.;
POLYANSKIY, V.A.; RAZDROGINA, L.A.; SIVAKOV, Ye.R.; STARIKOV, V.G.;
SAVASHINSKAYA, V.I.; SHAYOVICH, L.L.

Igor' Valentinovich Gofman, 1903-1963; obituary. Trudy LIEI
(MIRA 18:11)
no.51:3-4 '64.

BRIL', R.Ya.; SLUTSKIN, V.L.

Overall electrification and problem of the selection of
an effective form of energy for food preparation. Trudy
LIEI no.51:53-66 '64.

(MIRA 18:11)

BRIL', R.Ya.; DOVGAI', S.A.; DRUZHININ, Ye.P.

Some problems of methodology in selecting different forms of
energy for high-temperature industrial processes. Trudy LIKI
no. 51:135-148 '64.
(MIRA 18:11)

ERIL', S., otv. za vyp.

[Methodological letter; the organization of medical service
for children in day nursery-kindergartens] Metodicheskoe
pis'mo; organizatsiya meditsinskogo obsluzhivaniia detei v
iasliakh-sadu. Sverdlovsk, 1963. 18 p. (MIRA 17:1)

1. Sverdlovsk. Gosudarstvennyy meditsinskiy institut. Ka-
fedra gigiyeny detey i podrostkov.

BRIL', S.I.

Orchard plow with a retractable section. Sel'khozmashina
(MLRA 8:8)
no.6:7-9 Je '55.

1. Spetsial'noye konstruktorskoye byuro pri zavode imeni
Oktyabr'skoy revolyutsii.
(Plows)

BRIL', S.I.

"An Investigation of the Work and Planning Methods of the Working organs of Well Excavators";

dissertation for the degree of Candidate of Technical Sciences
(awarded by the Timiryazev Agricultural Academy, 1962)

(Izvestiya Timiryazevskoy Sel'skokhozyaystvennoy Akademii, Moscow, No. 2,
1963, pp 232-236)

BRIL', S.I.I., kand.tekhn.nauk; KLISHIN, B.A., inzh [deceased]

Using the method of radioactive tracers for determining the speed of
material displacement in conveying worms. Vest.mashinostr. 43 no.4:
30-31 Ap '63. (MIRA 16:4)

(Conveying machinery)

(Radioactive tracers)

BRILAVH M.M.

Easily detachable runners for large thin-walled castings. Inform.
tekhn.sbor.no.1:7-10 '54. (MIRA 9:?)

1. Sverdlovskiy zavod transportnogo mashinostroyeniya.
(Steel castings) (Foundry)

BRILAKH, M.M.

Precision testing of molding machines. Inform.tekh.sbor.no.1:
11-13 '54. (MIRA 9:7)

1. Sverdlovskiy zavod transportnogo mashinostroyeniya.
(Molding machines--Testing)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306920009-2

BRILAKH, N.M.

Use of easily removable shrinkage heads on large thin-walled castings.
Lit.prociv. no.6:30 S '54.
(Foundry) (MLRA 7:10)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306920009-2"

BRILAKH, M.M.

Introducing the use of oil-free GTP binder. Obm.tekh.opyt VPTI
no.15:48-51 '54. (MLRA 9:8)
(Founding) (Binding materials)

BRENIKH, M.M.

Centrifugal machine with quick change molds. Lit.proisv. no.5:
30 My '55. (MLRA 8:6)
(Centrifugal casting)

BRILAKH, Mikhail Mikhaylovich

ANAN'IN, Anatoliy Andreyevich; BRILAKH, Mikhail Mikhaylovich; CHERNOBROVKIN,
Viktor Petrovich; FILIPPOV, A.S., kand.tekhn.nauk, retsenzent;
MAKURIN, P.I., kand.tekhn.nauk, retsenzent; ZIMIN, V.M., inzh.,
retsenzent; SARAFANNIKOVA, G.A., tekhn.red.

[Cupola furnace operator] Vagraneshchik. Moskva, Gos.nauchno-tekhn.
izd-vo mashinostroit.lit-ry, 1957. 151 p. (MIRA 11:2)
(Cupola furnaces)

18(5)

PHASE I BOOK EXPLOITATION

SOV/2012

Brilakh, Mikhail Mikhaylovich

Regulirovaniye vagranochnogo protsessa (Control of Cupola Process)
Moscow, Mashgiz, 1958. 106 p. Errata slip inserted. 6,000 copies printed.

Reviewer: L. M. Mariyebakh, Doctor of Technical Sciences, Professor;
Tech. Ed.: N. A. Dugina; Exec. Ed. (Ural-Siberian Division, Mashgiz): A. V.
Kaletina, Engineer.

PURPOSE: The book is intended for foundry workers and students of trade schools,
tehnikums, and courses for improving skills.

COVERAGE: Problems in the automation of cupola process control are explained in
simplified form. The theoretical and practical aspects of control devices of
basic parameters of the cupola process are presented. Amount, temperature, and
moisture content air blast, thicknesses of layers of changing materials, hearth
temperature, etc. are treated. The construction and operating principles of the
simplest types of control devices for the cupola process are discussed in detail.
The author stresses the increasing use of cast iron parts in tractor, agri-
cultural machine, heavy machine, and machine tool building. He states that

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about 95 percent of the cast parts used in these fields are cast from cupola heaters. He also states that cast iron production is 4-5 times greater than that of steel casting. No personalities are mentioned. There are 16 Soviet references.

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AVAILABLE: Library of Congress (TS231.B75)

GO/fal
7-29-59

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ANAN'IN, Anatoliy Andreyevich; BRILAKH, Mikhail Mikhaylovich; CHERNO-BROVKIN, Viktor Petrovich; FILIPPOV, A.S., kand.tekhn.nauk; retsenzent; MAKURIN, P.I., kand.tekhn.nauk; retsenzent; LUZIN, P.G., inzh., retsenzent; ZIMIN, V.M., inzh., retsenzent; DUGINA, N.A., tekhn.red.

[Cupola furnace operator] Vagranshchik. Izd.2., dop. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 175 p.
(MIRA 12:12)

(Cupola furnaces)

BRILAKH, M.M.; YUROVSKIY, Yu.I.; TARARIN, V.F.

Mechanized shop for the production of cast tube-mill pebbles.

Lit.proizv. no.11:10-11 N '61.

(Iron founding)

(MIRA 14:10)

S/129/62/000/008/002/003
E071/E435

AUTHORS: Rubel', I.S., Engineer, Brilakh, M.M., Engineer,
Sadovnichiy, V.P., Engineer

TITLE: Phase composition and properties of austenitic steels
containing nitrogen

PERIODICAL: Metallovedeniye i termicheskaya obrabotka metallov,
no.8, 1962, 40-43 + 1 plate

TEXT: The influence was studied of short (5 to 30 min) and
prolonged (1 to 3 hours) heating on changes in the phase
composition of austenite-ferrite steels X28H9M2A1A3
(Kh28N9M2D1A3) and X30H9M2A1A3 (Kh30N9M2D1A3) containing,
respectively, 0.65 and 0.53 N. Particularly the dependence of
the kinetics of $\delta \rightarrow \sigma$ transformation on the heating temperature
and duration during re-heating of hardened specimens and under
isothermal conditions were investigated. The amount of σ phase
was determined from the percentage decrease in the ferromagnetic
phase. In the initial state the structure of the steels consisted
of the γ , δ and σ phases. The amount of ferrite phase increased on
Card 1/3

S/129/62/000/008/002/003
E071/E435

Phase composition and properties ...

hardening (from 1100°C) from 11-12 to 16% and from 20-22 to 30% for the steels Kh28N9M2D1A3 and Kh3ON9M2D1A3 respectively. The microhardness of the structural components of the steels in the initial and hardened states and after ageing at 800°C for 3 hours were determined. Corrosion resistance of the steel specimens in the initial state and after hardening were determined in a suspension of phosphogypsum at 75°C and in a 10% solution of ammonium chloride at 60°C. The results indicate that the transfer of σ phase into solution, caused by hardening, lowers the mean velocity of corrosion. The kinetic curves indicate that the beginning and intensity of $\delta \rightarrow \sigma$ transformation depend on temperature. With increasing temperature the velocity of transformation increases, whereupon at each temperature the velocity of transformation is higher in steel Kh28N9M2D1A3 than in the steel Kh3ON9M2D1A3. The transformation velocity has a maximum at 800 to 850°C; at these temperatures the transformation is completed in 8 to 10 min. The upper temperature limit of σ -phase was determined for the case of isothermal treatment: at 1000°C no σ -phase was detected, at 900°C σ -phase was present.

Card 2/3

S/129/62/000/008/002/003
E071/E435

Phase composition and properties ...

Study of the structures after ageing (800°C for 3 hours) showed that $\delta \rightarrow \sigma$ transformation was complete, also $\gamma \rightarrow \sigma$ transformation was observed along grain boundaries and inside austenitic grains. The hardness of the σ -phase formed in various sectors is high (HB 450 to 600); this phase lowers the impact strength considerably. Therefore these stainless steels should only be used in the hardened state. Presence of considerable quantities of ferrite increases brittleness when heated to elevated temperatures during operation or welding. There are 5 figures and 1 table.

ASSOCIATION: Sverdlovskiy NIPTIMASH

Card 3/3

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306920009-2

BRILAKH, M.M.; YASNOLORODSKIY, V.I.

Self-annealing of cast iron in liquid media. Lit. proizv. no.8:
21-24 Ag '62. (MIRA 15:11)

(Cast iron--Heat treatment)
(Annealing of metals)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306920009-2"

BRILAKH, M.M.; GORFINKEL', V.M.

Standard line of cupolas. Lit. proizv. no. 6:16-18 Je '63.
(MIRA 16:7)
(Cupola furnaces—Design and construction)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306920009-2

BRILAKH, M.M.; GORFINKEL', V.M.

Standard series for cupola furnaces. Standartizatsiia 27 no.9:
19-21 S '63. (MIRA 16:10)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306920009-2"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306920009-2

BRILAKH, M.M.; GORFINKEL', V.M.

Cupolas in U.S.S.R. foundries and ways to improve them. Lit.
proizv. no.10:13-14 0 '63. (MIRA 16:12)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306920009-2"

ANAN'IN, A.A.; BRILAKH, M.M.; CHERNOBROVKIN, V.P.; BLANK, E.M.,
inzh., retsenzenty; CHILIKINA, N.D., inzh., red.;
SIROTIN, A.I., red.izd-va; SMIRNOVA, G.V., tekhn.red.

[Cupola furnace operator] Vagranshchik. Izd.3., dop. Mo-
skva, Mashgiz, 1964. 163 p. (MIRA 17:3)

BRILAKH, M.M.; YASNOGORODSKIY, V.I.

Introducing the chill-molding machine for complex castings by small lots. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekhn.inform. 18 no.5:22-23. My '65. (MIRA 18:6)

ZAKHAROV, Boris Petrovich; BRILAKH, N.M., inzh., retsenzent; DUGINA,
N.A., tekhn.red.

[Quality control in founding] Kontrol' v liteinom proizvodstve.
Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960.
53 p. (Nauchno-populiarnaja biblioteka rabochego-liteishchika,
no.28). (MIRA 14:4)

(Foundries--Quality control)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306920009-2

KLAPCHUK, L.D., inzhener; NIKOLAYEV, M.S., inzhener; SEMYAGIN, F.G., inzhener;
BRILEV, A.S., inzhener.

Switchboard sets of the "Elektroshchit" plant. Elek.sta. 24 no.5:56 My '53.
(MIRA 6:7)
(Electric switchgear)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306920009-2"

Subject : USSR/Miscellaneous

AID P - 3146

Card 1/1 Pub. 135 - 8/20

Author : Brilev, P., Maj.

Title : With the automatic pilot on the course

Periodical : Vest. vozd. flota, 10, 46-50, O 1955

Abstract : The author describes the experience of his unit in flying with the automatic pilot in complicated conditions of the weather, in overcast and at night. He describes various phases of combat, mentions names and gives diagrams.

Institution : None

Submitted : No date

107-57-3-42/64

AUTHOR: Brilev, V. (Moscow)

TITLE: Continuous Tuning of a TV Set (Plavnaya nastroyka v televizore)

PERIODICAL: Radio, 1957, Nr 3, pp 40-41 (USSR)

ABSTRACT: In commercial TV sets, the channel selection is effected by a PTP switch which changes the inductance of coils and by subsequent fine tuning by a trimming capacitor. A smaller-size, easy-to-build tuner is suggested by the author. Two coils (one in the anode circuit of the HF amplifier and one in the heterodyne) are continuously and simultaneously adjusted by means of two sliders. A circuit diagram and sketches of all parts of the construction are submitted in the article.

Editor's note: Actual tests of the above tuner have shown that it functions well. Careful workmanship and the addition of a dial are recommended. There are three figures in the article.

Card 1/1

BRILEVA, A.G.

BRILEVA, A.G.

~~Local initiative in mechanized preparation of feeds. Zhivotnovodstvo~~
20 no.1:79-81 Ja '58.
(MIRA 11:1)

1. Starshiy inzhener po mekhanizatsii trudoyemkikh rabot v zhivotnovodstve Stalinskogo oblast'khosupravleniya.
(Feeding and feeding stuffs) (Agricultural equipment)

BRILEVA, G. N.

Approximate asynchronous characteristics of synchronous machines
and the use of these characteristics in determining boundaries
of asynchronous self-excitation. "J. AN Uz. SSR.Ser.tekh.nauk
no.1:23-32 '58. (MIRA 11:6)

1.Institut energetiki i avtomatiki AN UzSSR.
(Electric machinery, Synchronous)

BRILLEVA, G.N.

Carrying capacity of long-distance electric power transmissions with
supporting synchronous compensators. Izv.AN Uz.SSR.Ser.tekh.nauk
no.1:16-27 '61. (MIA 14:2)

(Electric lines)

ACC NRI AP7002923

(A)

SOURCE CODE: UR/0167/66/000/005/0010/0015

AUTHOR: Brilcva, G. N.

ORG: Uzbek Scientific Research Institute for Power Engineering and Automation
(Uzbeksiy nauchno-issledovatel'skiy institut energetiki i avtomatiki)

TITLE: The dynamic stability of power transmission with supporting balancing
synchronous compensators

SOURCE: AN UzSSR. Izvestiya. Seriya tekhnicheskikh nauk, no. 5, 1966, 10-15

TOPIC TAGS: current stabilization, voltage stabilizer, electric power transmission,
transmission line

ABSTRACT: Contributions to dynamic stability of long-distance power transmission
with supporting synchronous balancing compensators were analyzed and evaluated to
provide guidelines for securing stability at minimum capacity of compensators. The
static model of a 4-section 800-km line was analyzed, operating under normal and
post-emergency conditions with sufficient safety factors in respect to dynamic
stability (20% and 8%, respectively). Stability was shown to be determined by the
stability of generators at the transmitting station, and dynamic stability can be
secured on the static level by the electric attenuation of generators with load re-
sistors. No additional requirements appear at electric attenuation in respect to
dynamic stability, and to the parameters of the synchronous compensators. The optimum
conditions of attenuation depend on the type of power transmission and on generator
Card 1/2

KUPERSHTOK, K.I.; PERKAS, Kh.D.; BRILEVA, L.G.

Determination of the acidity of pickle baths in the presence of iron.
Zav. lab. 31 no.8:947 '65. (MIRA 18:9)

1. Nikopol'skiy yuzhnorubnyy zavod.

ERILIEVA, N.A.

Influence of young field crops located between forest belts on the
temperature of air near the ground. Trudy GGO no.36:88-93 '52.
(MIRA 11:1)

(Atmospheric temperature)
(Afforestation) (Meadows)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306920009-2

BRILEVSKIY, Ye.

BRILEVSKIY, Ye., inzhener.

Large-block construction in Stalino. Stroitel' no.6:2-3 Je '57.
(MLRA 10:9)

(Stalino--Precast, Concrete construction)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306920009-2"

~~BRILEVSKIY, Ye. A., inzhener; ZMIYEV, Ye.I., inzhener.~~

Large block building at the Ignat'ev mine. Shakht.stroi.
no.2:23-24 F '57. (MLRA 10:7)
(Stalino--Apartment houses) (Mine buildings)

BRILING, I.A.

Ion exchange in clays in the process of the diffusion
advancement of salts. Vest.Mosk.un.Ser.4:Geol. 20
no.5:62-68 S-0 '65. (MIRA 18:11)

1. Kafedra gruntovedeniya i inzhenernoy geologii Moskovskogo
gosudarstvennogo universiteta.

ACCESSION NR: AT4026357

S/0000/62/000/000/0215/0221

AUTHOR: Briling, K. K.; Krivorutskiy, Yu. Kh.; Levinskiy, L. S.

TITLE: Construction of a large-capacity magnetic operating memory (MOZU)

SOURCE: Konferentsiya po obrabotke informatsii, mashinnomu perevodu i avtomaticheskому чтению текста. Moscow, 1961. Vy*chisletil'naya i informatsionnaya tekhnika (Information processing and computer technology); sbornik materialov konferentsii. Moscow, 1962, 215-221

TOPIC TAGS: memory, addressing, circuit design, magnetic memory, switch, commutator

ABSTRACT: The article describes the construction of an address-selection system for a magnetic operational memory device of large capacity and medium speed, built on the "Z" system. The various ways in which this problem might be solved are discussed. The authors indicate as the preferred technique the switching of the currents from a single source over selected branches through the use of current commutation devices (switches). The work begun in 1957 at the Laboratoriya elektromodelirovaniya (Electro-simulation Laboratory) on the design of an operating magnetic memory with magnetic control led, in 1959, to the creation of the MOZU-1000. The experience acquired in this

Card 1/32

ACCESSION NR: AT4026357

work demonstrated the operability and reliability of magnetic control systems; in this connection, the decision was made to continue this work in the development of a large-capacity magnetic operating memory. In the matter of selecting the control system, the authors compare two versions of address commutators: 1) a commutator using magneto-diode keys; 2) a commutator using boundary transformers. Both versions are discussed and analyzed in the article. With regard to the magneto-diode key type switch it is shown that the power of this device is basically determined by the switching of unselected cores by switching and zero channels and depends on the cross section of these channels; in turn, the section is determined by the number of output windings. After reaching a certain optimum value, the section begins to increase as the number of output turns increases. The second version (using boundary transformers) is also shown to suffer from a substantial defect - high rate of power consumption - because of the presence of a large number of passive elements. As a result, it was decided to use a third version of the address commutator, with a semiconductor triode operating under saturation as the switching element. This technique is described in some detail and it is shown that the channel current source can be very substantially simplified - one GU-50 tube instead of the 10-12 needed in the other versions, with the feed voltage capable of being lowered to 300 v, instead of 700-900 v. Orig. art. has: 6 figures and 24 formulas.

ASSOCIATION: None

2/3²

Card

ACCESSION NR: AR3004170

S/0271/63/000/005/B030/B030

SOURCE: RZh. Avtomatika, telemekhanika i vy*chisl. tekhnika, Abs. 5B157

AUTHOR: Briling, K. K., Krivorutskiy, Yu. Kh., Levinskiy, L. S.

TITLE: Design of a large capacity operational magnetic memory device

CITED SOURCE: Sb. Vy*chisl. i inform. tekhnika, M., 1962, 215-221

TOPIC TAGS: memory, magnetic memory, address selector

TRANSLATION: A system for selecting addresses from a large capacity, intermediate speed, magnetic operational memory of the Z type is discussed. When controlling the selection of the digital ruler by the coordinate network the authors use the method of current commutation of one shaper over the chosen coordinates by means of a current switch. They analyzed commutators utilizing magnetic diode keys or boundary transformers. It follows from this analysis that two-coordinate systems of magnetic control with direct selection for large capacity magnetic operational memory devices have a basic shortcoming - a large power consumption. Consequently, the authors use a saturated transistor as the commutating element.

Card 1/2

ACCESSION NR: AR3004170

This triode can be used either as a common base amplifier or as a regenerative key. The second alternative reduces considerably the start-up power. The adopted solutions greatly simplify the current shaper. There are 6 figures and 3 references. O. B.

DATE ACQ: 25Jun63

SUB CODE: CP, SD

ENCL: 00

Card 2/2

L 38517-65 FMT(d)/FMT(Y)-2/RPD-2/FNP(1) Pp-4/Pq-4/Pk-4 FNP(2) PP-4

RECORDED - DATA CAPTURED - EXTRACTED - FILED

RECORD: Magnetic semiconductor memory device of an information processing system

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RECORD: Magnetic semiconductor memory device of an information processing system

ACCESSION NR: AP5002987

Because of the high frequency of interexchange among memory units, it is often necessary to move data between them.

ASSOCIATION: none

BIB: 1720: 1970-01-01 DATE: 00
BY REF ID: 002 OTHER: 00

Card 2/2

BRILING, N.P.

CHUDAKOV, Yevgeniy Alekseyevich, akad.[deceased]; VELIKANOV,D.P., doktor tekhn.nauk,st.nauchn.sotr.,ctv.red.; STECHKIN,B.S., akad., red.; BRILING,N.P., red.; ORLIN,A.S.. doktor tekhn. nauk, red.; OSIPYAN,A.V., kand.tekhn.nauk,red.; VARSHAVSKIY,I.L. kand.tekhn.nauk,red.; PETROV,V.A., kand.tekhn.nauk,st.nauch. sotr.,red.: GOL'D,B.V., st.nauch.sotr.,red.; KLENNIKOV,V.M. red. izd-va; SIMKINA,Ye.N., tekhn.red.

[Selected works] Izbrannye trudy. Moskva, Izd-vo Akad.nauk SSSR. Vol.1. [Theory of motor vehicles] Teoriia avtomobilja. 1961. 482 p. Vol.2. 1961. 343 p.

(MIRA 14:5)

1. Chlen-korrespondent AN SSSR (for Briling) 2. Laboratoriya dvigatelei AN SSSR (for Velikanov, Gol'd, Petrov)
(Motor vehicles--Dynamics)
(Motor vehicles--Design and construction)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306920009-2

BRILING, N.R.

DECEASED
C' 1961

1962/5

SEE ILC

MACHINERY
(ENGINES)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306920009-2"

BRILING, N.S.; LEVACHEVA, L.I.; ZASOV, V.D., nauchn. red.; OLEYNIK,
L.K., red.

[Detailing structural units] Detalirovaniye uzla stroitel'-
noi konstruktsii. [n.p.] Rosvuzizdat, 1963. 23 p.
(MIRA 17:7)

BRILING, N.S., dots.; KISLOV, I.A., ispol. obyazannosti dots.;
GNOYEV, A.M., ispol. obyazannosti dots.

[Methods manual on projection with numerical marks and
perspective] Metodicheskoe posobie po proektsiam s chis-
lovymi otmetkami i perspektive. Moskva, 1965. 75 p.
(MIRA 18:12)

1. Moscow. Gidromeliorativnyy institut. 2. Kafedra na-
chertatel'noy geometrii i chercheniya Gidromeliorativnogo
instituta.

KOREYSHA, M.M.; SAPOZHNIKOV, R.M.; SHUMSKIY, P.A., doktor
geogr. nauk, otv. red.; GRAVE, N.A., doktor geogr. nauk,
otv. red.; FEDOROVA, G.N., red.; ERILING, N.V., red.

[Suntar-Khayata] Suntar-Khaiata. Moskva, 1963. 2 v.
(MIRA 18:5)
1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Institut
merzlotovedeniya.

BRILING, P. Ye.

VASIL'YEV, Boris Fedorovich, kandidat tekhnicheskikh nauk, BRILING, P. Ye.,
kandidat tekhnicheskikh nauk, nauchnyy redaktor; NIEMEYAGI, D.K.,
redaktor; EL'KINA, E.M., tekhnicheskiy redaktor

[Studies of the natural temperature and humidity at apartment
houses] Naturnye issledovaniia temperaturno-vlazhnostnogo
rezhima zhilykh zdanii. Moskva, Gos. izd-vo lit-ry po stroit. i
arkhit. 1957. 209 p. (MIRA 10:7)
(Apartment houses)

BRILING, R. E.

24905. Briling, R. E. Migratsiya Vlagi V Stroitel'nykh Ograzhdeniyakh. V Sp:
Issledovaniya Po Stroit. Fizike. M.-L., 1949, S. 85-120

So: Letopis' No. 33, 1949

BRILING, R.S.; MIRONOVA, N.S.; DANILENKO, Ya.M., otv.red.; VAYNBERG,
D.A., red.; TROFIMENKO, A.S., tekhn.red.

[Methods manual for mechanical drawing; instructions and tests
for students of correspondence institutions of higher learning
specializing in construction engineering] Metodicheskoe
posobie po inzhenerno-stroitel'nomu cherneniu; ukazaniia i
kontrol'nye raboty dlia studentov saochnykh vysshikh tekhniki-
cheskikh uchebnykh zavedenii stroitel'noi spetsial'nosti.
Khar'kov, Izd-vo Kharkovskogo gos.univ. im. A.M.Gor'kogo, 1959.
195 p.]

(MIRA 12:7)

(Mechanical drawing--Instruction)

RYZHENKO, Ivan Maksimovich, kand. tekhn. nauk, dots.; NEVYAZHSKIY,
Ya.I., prof., retsenzent; BRILING, R.S., kand. tekhn. nauk,
retsenzent; GULIAYEV, P.V., kand. tekhn. nauk, dots., re-
tsenzent; NIKOLAYEVSKIY, G.K., kand. tekhn. nauk, dots., re-
tsenzent; SHEPEL'SKIY, P.F., dots., otv. red.; LOS', T.A.,
red.; SMILYANSKAYA, T.M., tekhn. red.

[Orthogonal and axonometric sketching]Ortogonal'noe i aksono-
metricheskoe eskizirovanie. Khar'kov, Izd-vo Khar'kovskogo
univ., 1960. 118 p. (MIRA 15:10)

(Mechanical drawing)

BRILING, Rudol'f Sergeevich; SHOLOMOV, A.M., otv. red.; LOS', T.A.,
red.; TROFIMENKO, A.S., tekhn. red.

[Descriptive geometry] Nachertatel'naia geometriia; lektsii,
metodicheskie ukazaniia i kontrol'nye raboty dlia studentov
zaochnykh institutov. Khar'kov, Izd-vo Khar'kovskogo univ.,
1962. 216 p.

(MIRA 16:9)

(Geometry, Descriptive)

FOKIN, K.F., doktor tekhn.nauk; BRILING, R.Ye., kand.tekhn.nauk;
KHLEVCHUK, V.R., kand.tekhn.nauk

Thermotechnical properties of single-core ceramic panels. Stroi.
mat. 9 no.9:27-29 S '63. (MIRA 16:10)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306920009-2

BRILING, V.N.; ZIL'BERT, I.S.

Studying the operation of the "Ukraina" cutter-loader.
Nauch.trudy KNIUI no. 11:3-10 '62. (MIRA 17:7)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306920009-2"

BRILING, V. S.

42227. BRILING, V. S. Analiticheskiy raschet seti trub.-v ogl: Brilling V. S. Trudy tomskogo elektromekhan. In-ta inzh. zh.-d, transporta, T.~~XXX~~, 1948, c30-57.

So: Letopis' Zhurnal'nykh Statey, Vol.47, 1948.

SOV/124-58-4-4094

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 4, p 60 (USSR)

AUTHOR: Briling, V.S.

TITLE: Calculations for a Branched Pipe Line (Raschet razvetvленного
truboprovoda)

PERIODICAL: Sb. nauchno-metod. tr. Tomskiy elektromekhan. in-t inzh.
zh.-d. transp., 1956, Nr 3, pp 5-51

ABSTRACT: Paragraph 1. On Series and Parallel Connections of Pipe
Lines. Par. 2. Conductivity and Resistance in Hydraulics.
Par. 3. On the Calculation of Simple Pipe-line Systems.
Par. 4. The Calculation of a Complex System of Pipe Lines.
Par. 5. Analytical Method of Sizing the Diameters of Pipes
in a System. This is a methodical treatise on the subject of
"Calculation of Ramified Pipe Lines" included in the course
of "Hydraulics" given by the institute, [i.e., The Tomsk
Institute of Electromechanics for Rail Transportation
Engineers, Transl. Ed. Note]. Bibliography: 10 references.
1. Pipelines--Design 2. Mathematics

V.I. Vasil'yev

Card 1/1

OSTRETSOV, Valeriy Mitrofanovich; BRILING, Yevgeniy Romanovich;
LEVONTIN, N.B., inzh., nauchn. red.; ZUBKOVA, M.S., red.;
BOLOTINA, A.V., red.

[Examples of calculations of elements for large-panel apartment houses] Primery rascheta konstruktsii sovremennoykh
krupnopanel'nykh zhilykh zdanii. Moskva, Stroizdat, 1964.
191 p. (MIRA 17:7)

BRILINSKIY, A.

PA-2T3

USSR/Ships - Boilers
Vaporizers

Feb 1947

"The Necessity of Using Vaporizers on Ships,"
A Brilinsky, 2 pp

"Morskoy Flot" Vol 7, No 2

Vaporizers for high-pressure boilers

2T3

BRILINSKY, B.M.

Sov/143-58-10-20/24
 AUTHORS: Andriyevsky, A.I., Antonovich, A.Y., Bogatnev, N.A.,
 Chubashenko, I.P., Gurevich, I.P., Karan,
 Dobrov, K.B., Dulkin, V.I., Lulin, M.I., Makarovich,
 N.G., Rozen, V.Z., Petrenko, S.I., Repnay, T.A.,
 Privalova, K.A., Sinitzky, Iuli, Stepanov, Yak.,
 Shchepankovich, B.P., Chuchman, F.S., Tagello, I.M.,
 Brilinsky, B.M., and others

TITLE: G.Ye. Krushel', Deceased

PERIODICAL: Izvestiya vystavok i uchebnykh zavedenii, Energetika,
 1958, Nr 10, P 147 (USSR)

ABSTRACT:

This is an obituary of Doctor of Technical Sciences,
 Professor Georgiy Feodosyevich Krushel' of the
 Lvov Polytechnicheskiy Institute (Lvov Polytechnic
 Institute). Krushel' was born in Moscow in 1912
 as the son of an engineer. He died on July 20, 1958
 because of an accident. He graduated in 1931 from
 the "Proletkabskola". While working in the industry,
 G.Ye. Krushel' studied at the Kharkov Institute of
 machine building, my institut (Kharkov Institute of

power engineering).

Krushel' devoted his attention to the training of
 engineers in his field. The Soviet Union lost one
 of its foremost scientists. There is 1 photograph.

Card 1/5

Card 2/5

POKROVSKIY, N. N.; BRILINSKIY, L. I.; GNACHUK, V. P. (L'vov)

Hygienic significance of vibration in sinkers' work. Gig. truda
i prof. zab. 5 no.7:46-47 Jl '61. (MIRA 15:7)

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(VIBRATION—PHYSIOLOGICAL EFFECT)
(MINERS—DISEASES AND HYGIENE)

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Temperature and concentration dependence of the quantum yield
of photoluminescence of NaI - Tl crystal phosphors. Ukr. fiz.
zhur. 9 no.1:59-65 Ja '64.
(MIRA 17:3)

1. L'vovskiy gosudarstvennyy universitet im. Iv. Franko.

145754-55 EWT(3)/EWP(1)/EWP(e) WB
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TITLE: Absorption of synthetic rubies in the region of the resonance doublet

SOURCE: Ukrayins'kyy fizichnyy zhurnal, v. 10, no. 4. 1965, 427-431

TOPIC TAGS: synthetic ruby, resonance doublet, line width, doublet spacing, temperature dependence, chromium impurity

ABSTRACT: The absorption spectra of synthetic rubies were investigated in the region of the resonance doublet, for a chromium impurity content variation from 0.043 to 0.7%. The purpose of the investigation was to determine the concentration dependence of the absorption coefficient and the temperature dependence of the half-widths of the R-lines. The absorption spectra were investigated in polarized light using a spectrograph and a monochromator. A total of 25 synthetic rubies, prepared in the form of plates cut perpendicular to the optical axis, were investigated. The half-widths of the absorption lines were investigated with a spectrograph by photographic means in the temperature range from -150 to +300°.

Card 1/2

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The absorption coefficients were found to be linear in the concentration within 2-4% accuracy, and could be approximated by the formula $k = \epsilon C$, where k is the absorption coefficient, ϵ is the chromium concentration, and ϵ is a constant with values 0.45 and 0.17 cm^{-1} for R_1 and R_2 , respectively. The temperature dependence of the line half-width was found to vary exponentially in accordance with the formula $\Delta\lambda = -0.000 + aT^b$, where $a = 26.5 \text{ Å}$ and $b = 0.0021 \text{ deg}^{-1}$. The temperature range from -197 to +500. Above this temperature the data become linear. Chrom. anal. has: 4 figures and 1 formula.

(02)

ASSOCIATION: L'viv's'kyj derzjuniwersytet im. Iv. Franko [L'vovskiy gosuniwersitet im. I. Franko] (L'vov State University)

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Card 2/2

BRILKINA, T. G.

PA 227T14

USSR/Chemistry - Organometallic
Compounds

1 Aug 52

"Free Radical Reactions of $M\bar{B}(C_6H_5)_4^-$," G.A.
Razuvayev, T.G. Brilkina, Gor'kiy State U

"Dok Ak Nauk SSSR" Vol 85, No 4, pp 815-818

Reactions of complexes of the type $M\bar{B}(C_6H_5)_4^-$
where M = Be, Mg, Cd, Zn, Sn^{II} are analogous to
those of onium compds. Despite the presence of
phenyl radicals at the anions in one case and at
the cations in the other case, both groups of
compds react under formation of free radicals.
Presented by Acad G.G. Urazov 2 Jun 52.

227T14

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CIA-RDP86-00513R000306920009-2

✓ Rate of radical transfer from cisplatin/aluminum to

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306920009-2"

BRILKINA, T. G.

Chemical Abst.
Vol. 48 No. 6
Mar. 25, 1954
Inorganic Chemistry

Free-radical reactions of complexes M(BR). G. A. Rukavina and T. G. Brilkina (Gorki State Univ.). Doklady Akad. Nauk SSSR, 103, 881-4 (1955); cf. C.A. 47, 37444. Reaction of $\text{Li}(\text{BPh}_3)_2\text{LiBr}$ with Hg in CHCl_3 yields some PhHgCl . Thus, M(BR) reacts with Hg , forming a free radical R. Addn. of an equiv. of $1-\text{C}_6\text{H}_5\text{Li}$ with Ph_3B in Et_2O gives $\text{Li}[\text{BPh}_3\text{C}_6\text{H}_5]$ as a viscous oil; treatment with NH_4Cl or KCl gives the NH_3 or the K analog, colorless solid. To eliminate the LiBr contamination the technique of prepn. of pure RLi was employed for the necessary intermediates (cf. Talalayeva and Kocheshkov, C.A. 45, 101916), and the resulting pure Li derivs. were treated with the boranes in Et_2O to give cryst. $\text{Li}[\text{BPh}_3\text{C}_6\text{H}_5\text{Me}-\rho]$ and $\text{Li}[\text{B}(\text{C}_6\text{H}_5-\rho)\text{Ph}]$. Treatment of these with Hg in CHCl_3 again gave free radicals derived from the BR_3 fragment, with predominant cleavage of $1-\text{C}_6\text{H}_5$ rather than of Ph group, and predominant cleavage of $\rho\text{-MeC}_6\text{H}_4$ rather than Ph. The results parallel those obtained in thermal decompn. of $\text{NH}_3(\text{BAr})$ complexes; thus $\text{NH}_3[\text{BPh}_3\text{C}_6\text{H}_5]$ gives C_6H_5 and NH_3BPh_3 ; $\text{NH}_3[\text{B}(\text{C}_6\text{H}_5-\rho)\text{Ph}]$ gives 2 C_6H_5 , MePh and NH_3BPh_3 ; $\text{NH}_3[\text{B}(\text{C}_6\text{H}_5-\rho)\text{Ph}]$ gives 2 C_6H_5 , and no C_6H_5 , with probable intermediate formation of unstable $\text{NH}_3\text{B}(\text{C}_6\text{H}_5-\rho)\text{Ph}$.

G. M. Kosolapoff